

Name: _____

Surface Processes

Date: _____ Period: _____

Earth Science

Lab Activity: NYS Landscapes

INTRODUCTION:

Different landscapes result from the interaction of erosional forces and uplift forces upon various bedrock types and the bedrock types differ in their resistance under certain climatic conditions.

New York State has an extremely diverse landscape with varying climatic conditions. The different rock structures and ages have helped shaped the way New York looks today.

OBJECTIVE:

Students will interpret New York State maps to see the influences of rock types and climatic conditions over the landscape. They will also be able to identify the different regions based on the changes in elevation throughout the state.

VOCABULARY:

Landscape -

Mountain -

Plateau -

Plains / Lowlands -

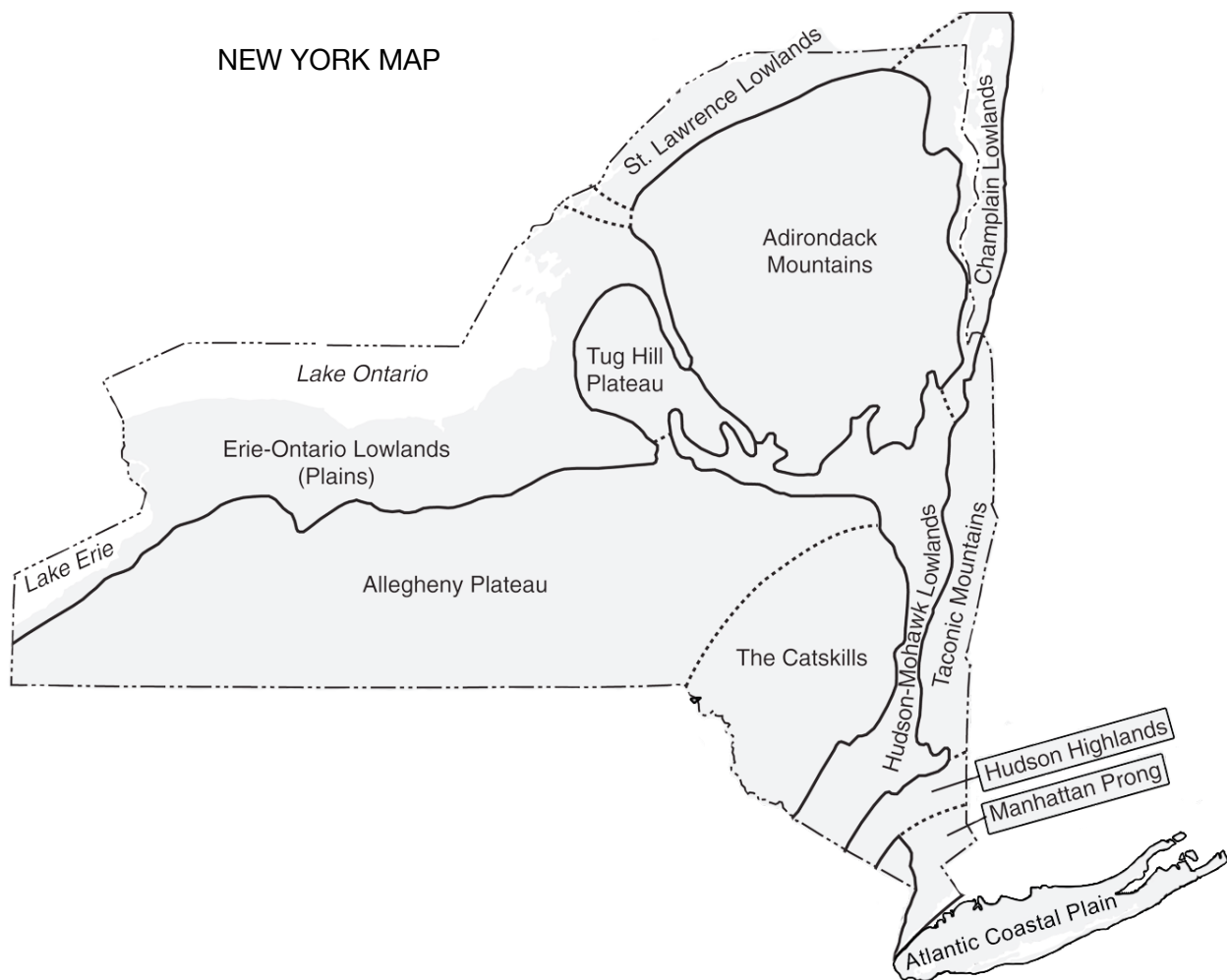
Prong -

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PROCEDURE A:

1. Fill in the chart below with the type of landscape regions associated with the elevations.
2. On the New York Map below, lightly color the high elevation, middle elevation, and low elevation using the following color key:

Elevation	Color	Landscape Type
High	red	
Middle	yellow	
Low	green	



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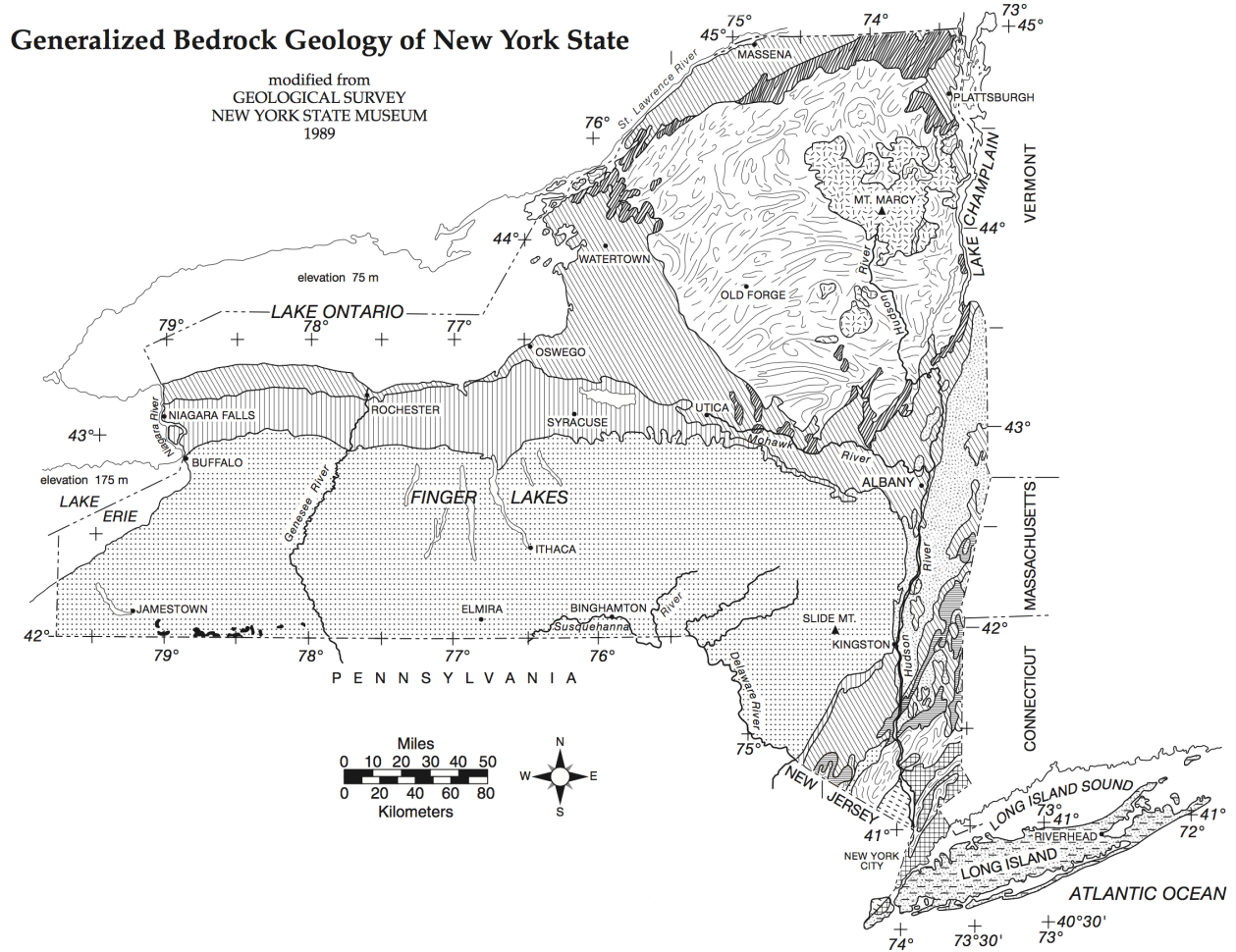
PROCEDURE B:

1. Find and color in blue the following bodies of water listed below:

- Lake Champlain
- The Finger Lakes
- Lake Ontario
- Lake Erie
- Atlantic Ocean
- The Long Island Sound

2. Find and color in blue the following rivers listed below:

- Hudson River
- Mohawk River
- St. Lawrence River
- Niagara River
- Genesee River
- Susquehanna River



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DISCUSSION QUESTIONS:

1. What landscape region does the Hudson River originate?
2. The Genesee River drains into what body of water?
3. The Catskills are part of what New York State landscape region?
4. In which landscape region is the most resistant bedrock found?
5. Which regions show evidence that crustal uplift was dominant over erosional forces?

CONCLUSION: What factors led to the different landscape regions of New York State?